

Light Duty Line Vac

Live Vac Conveyance Data

The table below shows conveyance rates for EXAIR 1", 1-1/2" and 2" Line Vacs in both standard and heavy duty styles when used with various materials and bulk densities. Exact, application-specific conveyance rates are best determined through hands-on testing. Contact an EXAIR Application Engineer to learn more and configure a system suitable for your application.

Description	Line Vac Model	Horizontal Run (ft)	Vertical Rise (ft)	Rate (lb/min)
Ground Corn Cobs (density: 25 lbs/cu.ft)	6081 (1" Aluminum)	7	5	8.8
	6083 (1-1/2" Aluminum)	7	5	13.8
	6084 (2" Aluminum)	7	5	26
	150100 (1" Heavy Duty)	7	5	12.9
	150150 (1-1/2" Heavy Duty)	7	5	20.3
	150200 (2" Heavy Duty)	7	5	40
Tumbling Media (density: 64 lbs/cu.ft)	6081 (1" Aluminum)	50	0	3.68
		100	0	1.23
		0	11.33	3.69
		0	20.75	1.03
		25	11	2.6
	6083 (1-1/2" Aluminum)	50	0	9.3
		100	0	2.89
		0	11.33	13.58
		0	20.75	5.54
		25	11	11.16
	6084 (2" Aluminum)	50	0	15.52
		100	0	5.41
		0	11.33	16.39
		0	20.75	8.03
		25	11	15.52
	150100 (1" Heavy Duty)	50	0	6.43
		100	0	1.18
		0	11.33	9.54
		0	20.75	4.35
		25	11	4.84
	150150 (1-1/2" Heavy Duty)	50	0	18.98
		100	0	9.02
		0	11.33	22.52
		0	20.75	8.62
		25	11	16.13
150200 (2" Heavy Duty)	50	0	30.93	
	100	0	10.86	
	0	11.33	24.97	
	0	20.75	7.73	
	25	11	24.42	

(Note: all measurements taken at 80 PSIG supply pressure)



Light Duty Line Vac

Description	Line Vac Model	Horizontal Run (ft)	Vertical Rise (ft)	Rate (lb/min)
Rock Salt (density: 68 lbs/cu.ft)	6083 (1-1/2" Aluminum)	50	0	1.6
		35	15	0.6
	6084 (2" Aluminum)	100	0	5.57
		200	0	1.42
		35	15	0.6
	150150 (1-1/2" Heavy Duty)	50	0	8.32
		35	15	5.62
	150200 (2" Heavy Duty)	100	0	8.73
		200	0	3.33
	Crushed Glass (density: 85 lbs/cu.ft)	6081 (1" Aluminum)	50	0
100			0	1.18
0			11.33	2.85
0			20.75	1.1
6083 (1-1/2" Aluminum)		50	0	6
		100	0	3.12
		0	11.33	8.67
		0	20.75	3.37
6084 (2" Aluminum)		50	0	10.29
		100	0	4.73
		0	11.33	10.12
		0	20.75	5.21
150100 (1" Heavy Duty)		50	0	2.55
		100	0	0.85
		0	11.33	3.72
		0	20.75	1.42
150150 (1-1/2" Heavy Duty)		50	0	6.48
		100	0	2.83
		0	11.33	9.39
		0	20.75	4.17
150200 (2" Heavy Duty)	50	0	12	
	100	0	4.83	
	0	11.33	13.26	
	0	20.75	5.35	

Air Operated
Conveyors

